
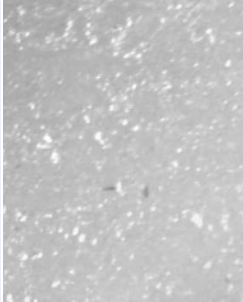


EP12™ Bearing Material	Characteristics	Applications
	<ul style="list-style-type: none"> • Injection moulded polyoxymethylene based and modified bearing material • Colour: white 	<p>General Generally applicable within the limits of the material properties</p> <p>Industrial Domestic appliances, furniture, office equipment, sports equipment and many more</p>

Composition & Structure	Operating Conditions		Availability
Injection moulded thermoplastic dry bearing material POM + PTFE	dry oiled greased water process fluid	good good good fair good after resistance testing	<p>Ex Stock</p> <ul style="list-style-type: none"> • N/A <p>To order</p> <ul style="list-style-type: none"> • Bushes, special dimensions and shapes

Microsection	Bearing Properties	Unit	Value
 <p>Injection moulded thermoplastic dry bearing material with additives homogeneously mixed in</p>	<p>Dry</p> <p>Maximum sliding speed v</p> <p>Maximum pv factor The pv Limit is depending on the heat dissipating surface to contact area ratio 1) $A_H/A_C = 5$ 2) $A_H/A_C = 10$ 3) $A_H/A_C = 20$</p> <p>Coefficient of friction f</p> <p>Grease lubrication</p> <p>Maximum sliding speed v</p> <p>Maximum pv factor</p> <p>Coefficient of friction f</p> <p>General</p> <p>Maximum temperature T_{max}</p> <p>Minimum temperature T_{min}</p> <p>Maximum load p static</p> <p>Shaft surface finish R_a</p> <p>Shaft hardness</p>	<p>m/s</p> <p>MPa x m/s</p> <p>–</p> <p>m/s</p> <p>MPa x m/s</p> <p>–</p> <p>°C</p> <p>°C</p> <p>MPa</p> <p>µm</p> <p>HV</p>	<p>1.0</p> <p>1) 0.04 2) 0.09 3) 0.18</p> <p>0.18 - 0.30</p> <p>-</p> <p>-</p> <p>-</p> <p>+125</p> <p>-40</p> <p>65</p> <p>0.3±0.2</p> <p>>200</p>